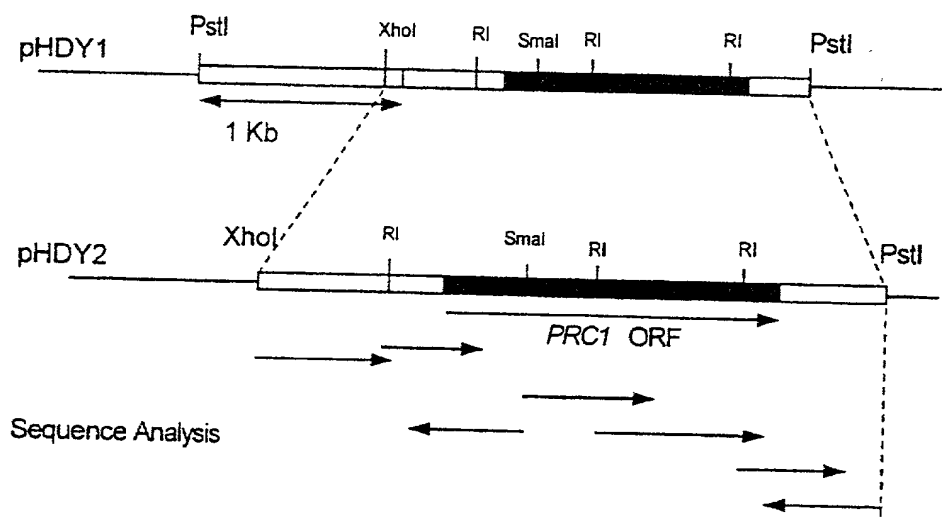
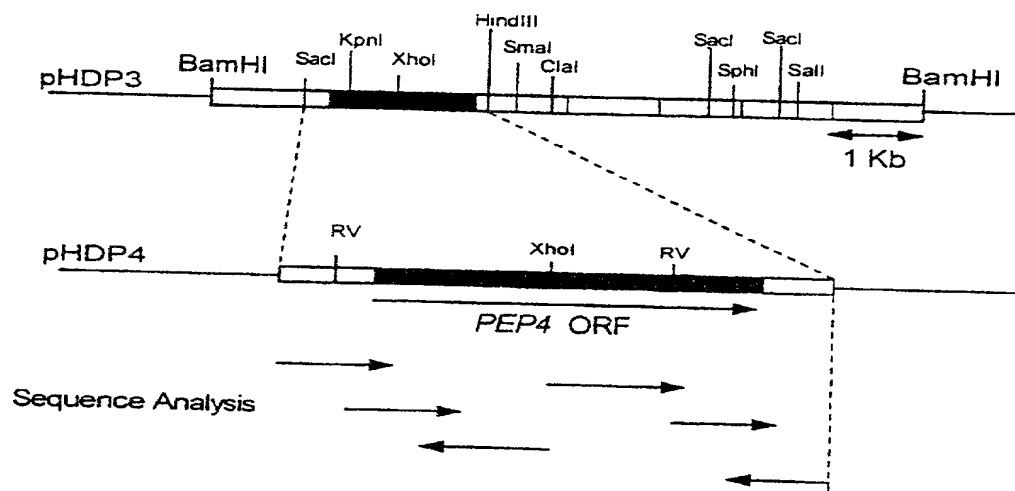


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**FIG. 1****FIG. 2**

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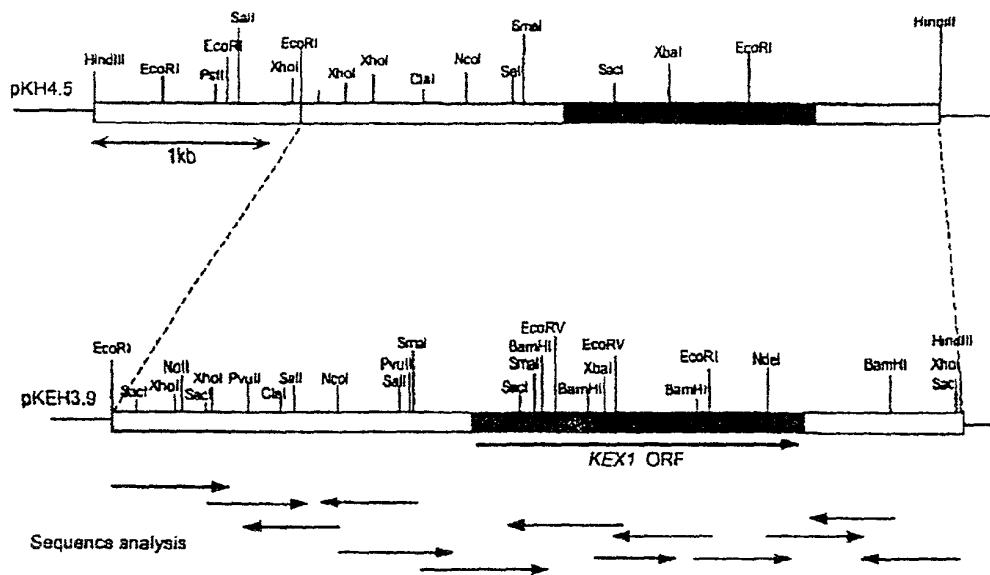
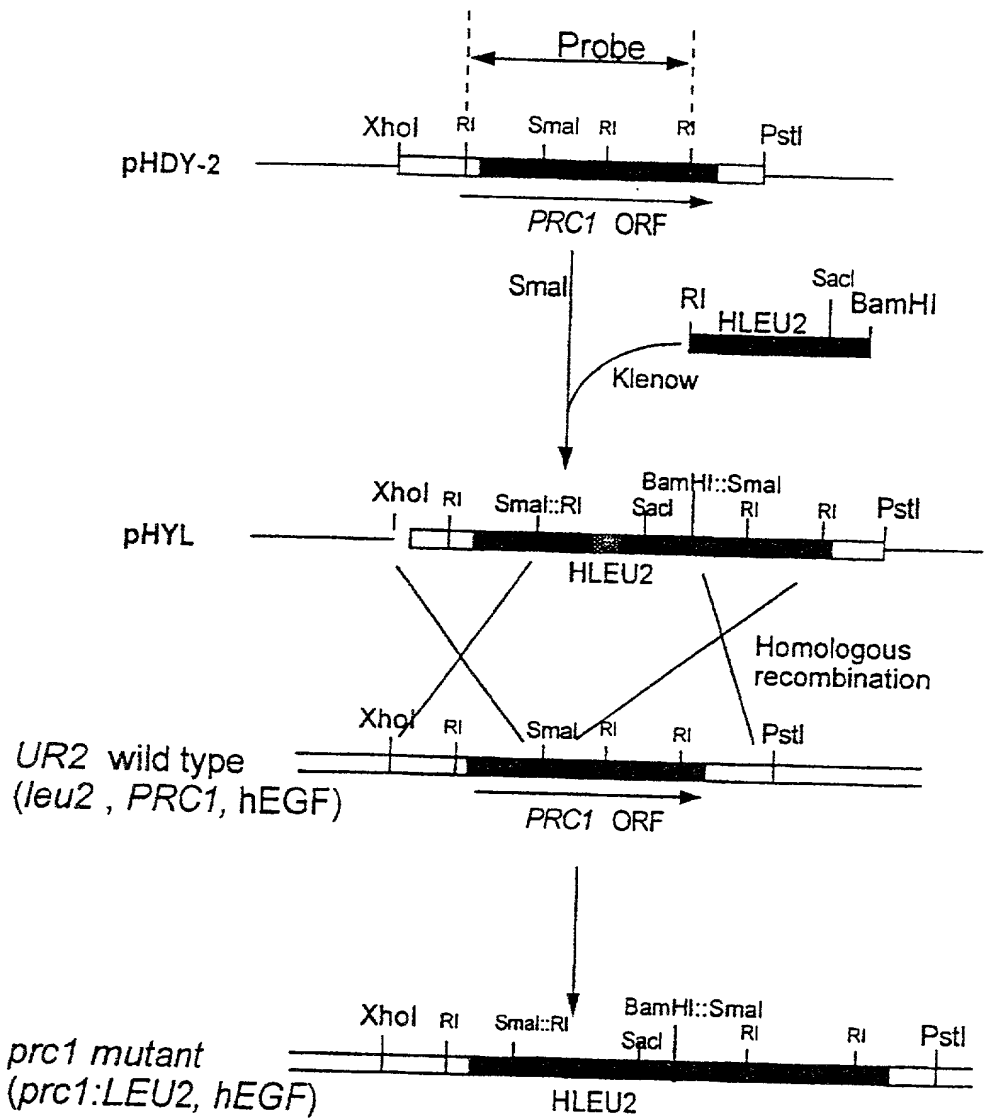
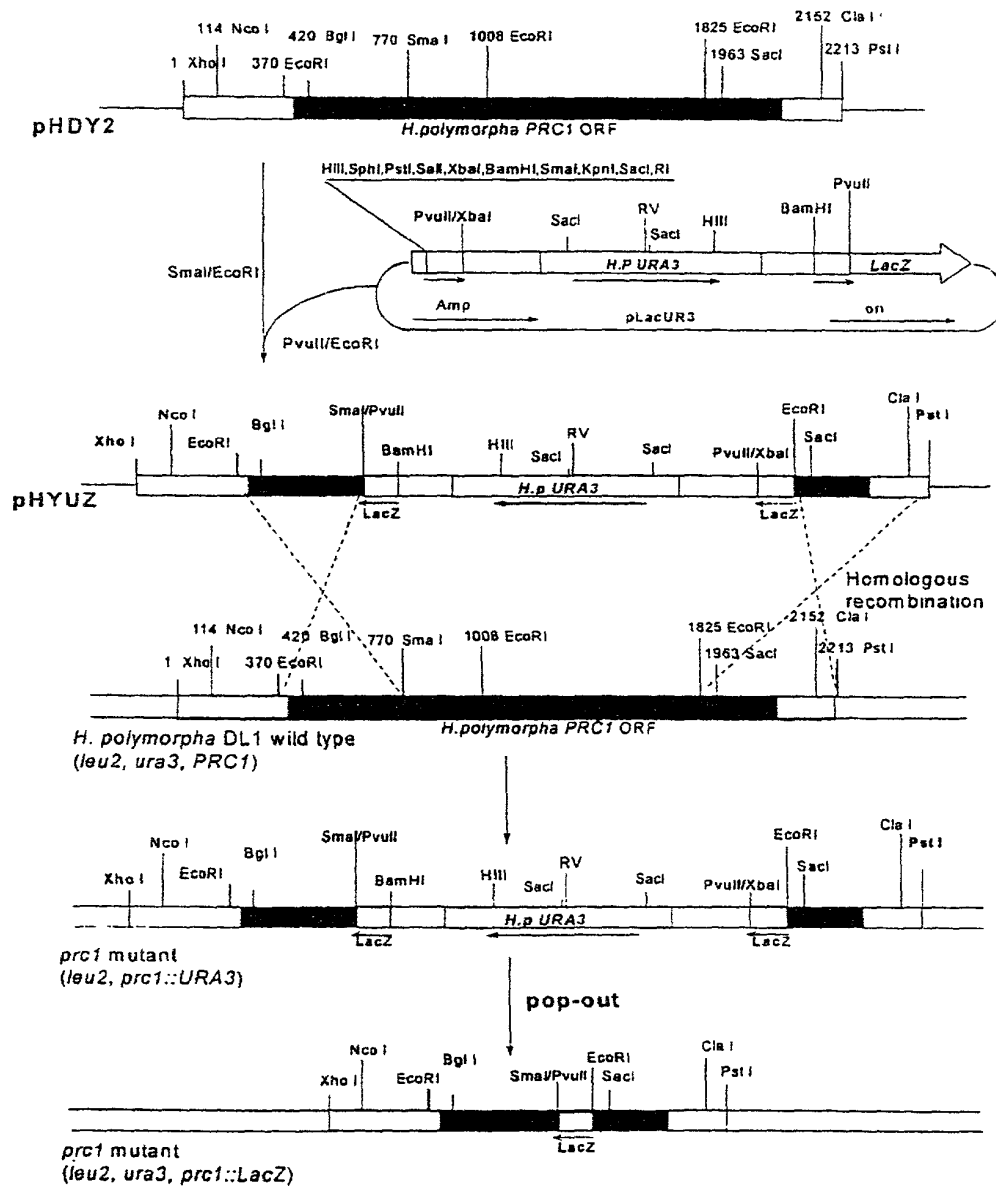
**FIG. 3**

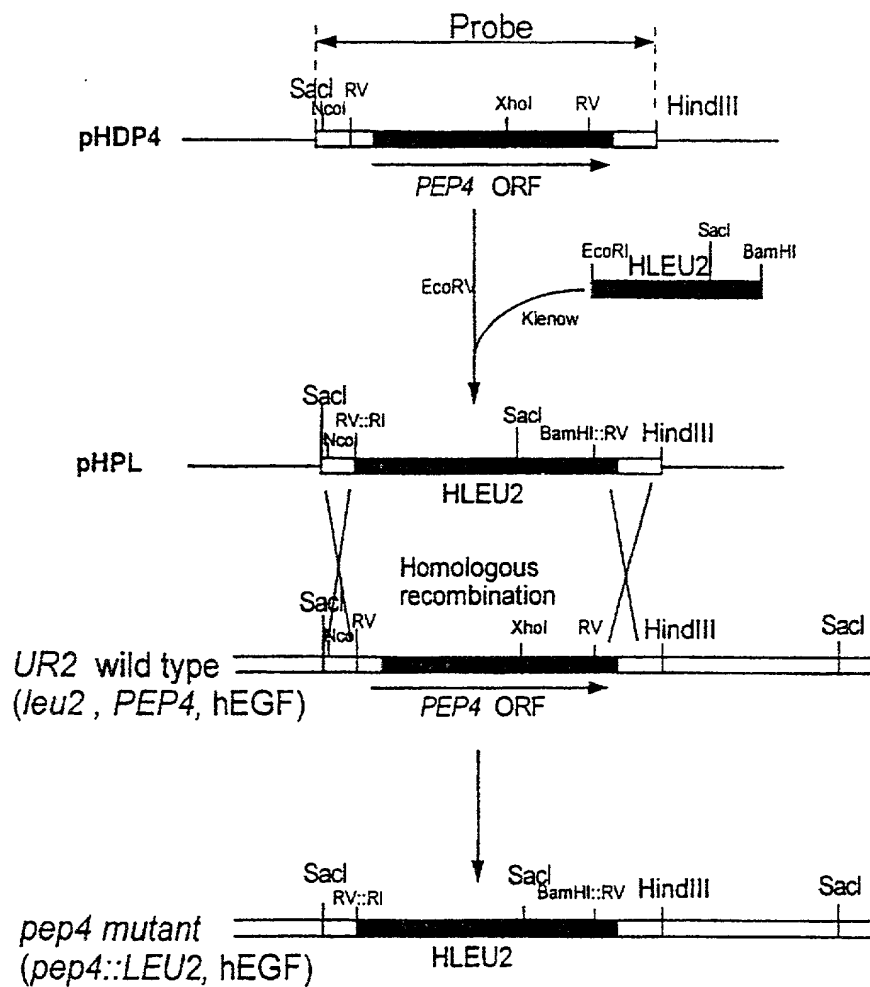
FIG. 4



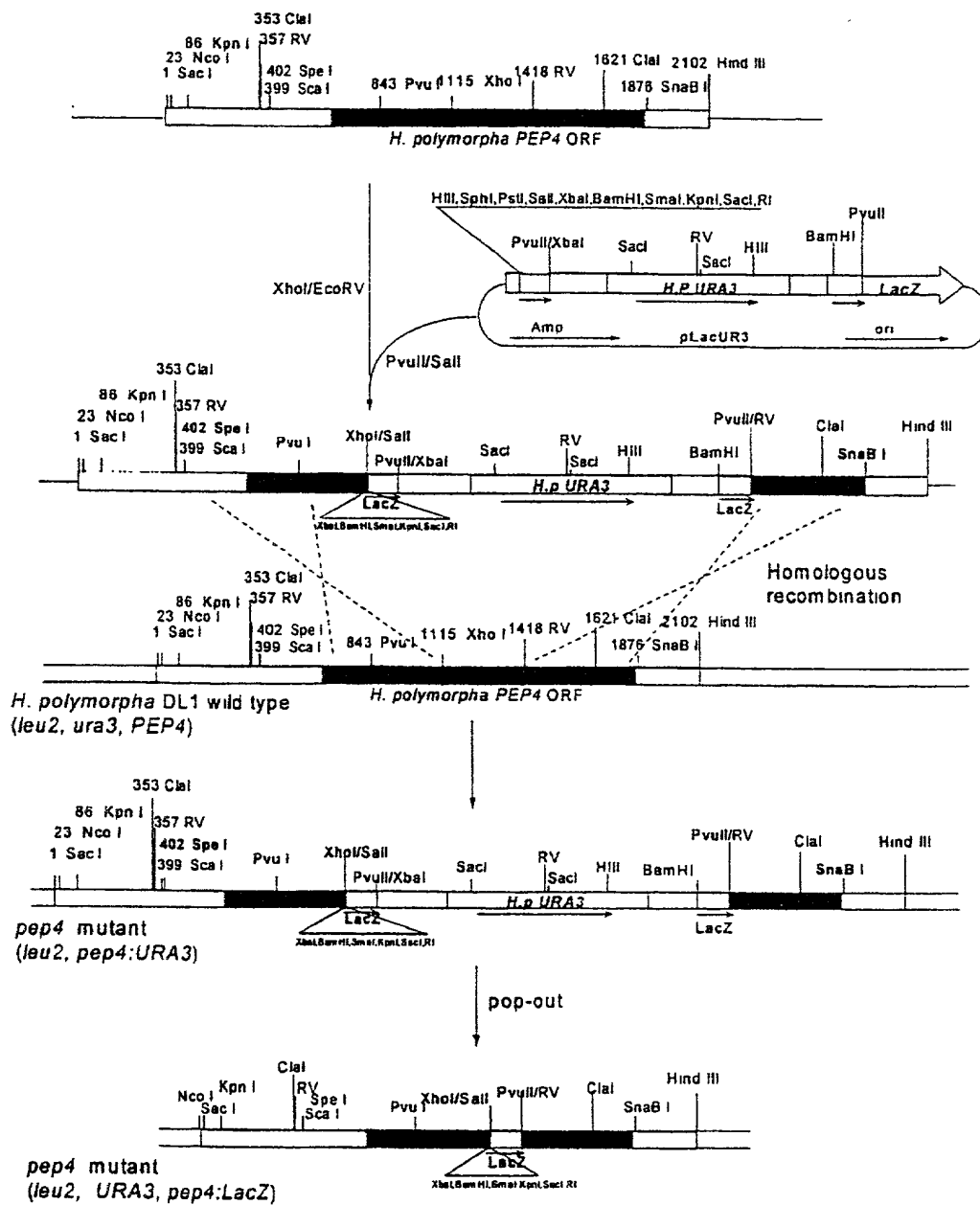
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**FIG. 5**

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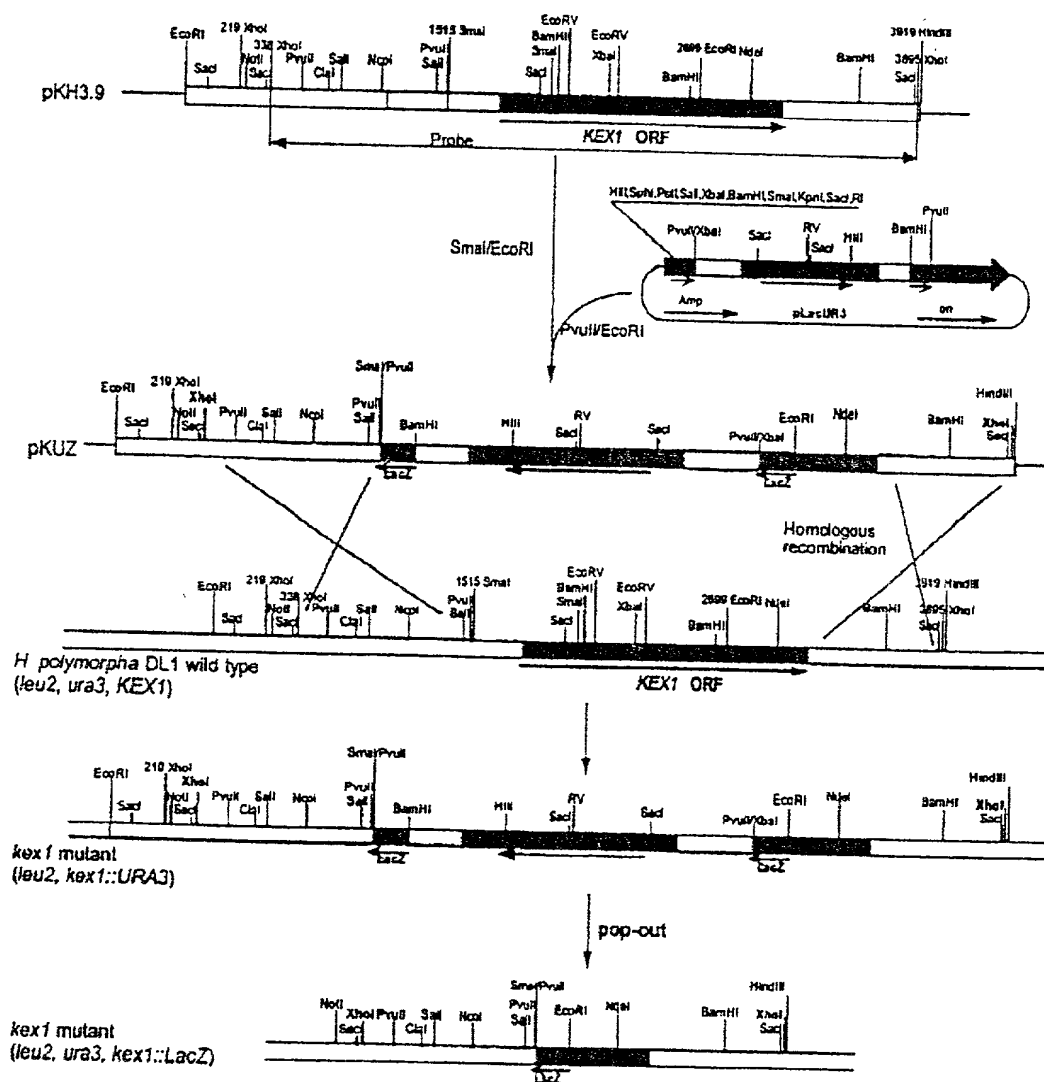
**FIG. 6**

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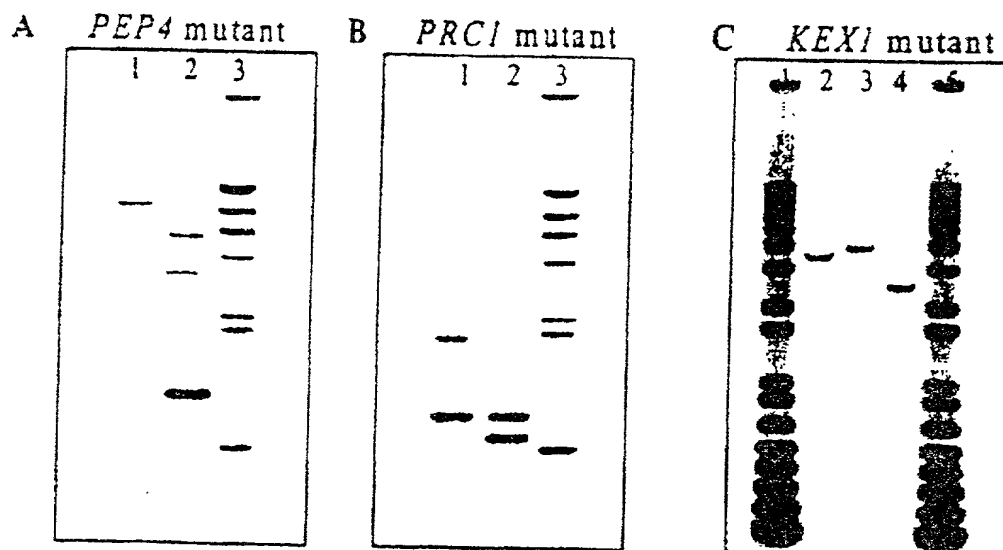
**FIG. 7**

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FIG. 8



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**FIG. 9**

A. Lane 1 : *H. polymorpha* UR2/*EcoRV*  
 Lane 2 : *pep4* mutant/*EcoRV*  
 Lane 3 : DIG- $\lambda$ /*HindIII* size marker  
 probe : DIG labeled pHDP4/*SacI*/*HindIII* 2kb fragment

B. Lane 1 : *H. polymorpha* UR2/*EcoRI*  
 Lane 2 : *prc1* mutant/*EcoRI*  
 Lane 3 : DIG- $\lambda$ /*HindIII* size marker  
 probe : DIG labeled pHDY2/*EcoRI* 1.5kb fragment

C. Lane 1,5 :DIG-1 kb size marker  
 Lane 2 : *H. polymorpha* DL1/*XhoI*  
 Lane 3 : *kex1* mutant/*XhoI*  
 Lane 4 : URA3 gene pop-out /*XhoI*  
 probe : DIG labeled pKH4.5/*XhoI* 3.5kb fragment



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FIG. 10

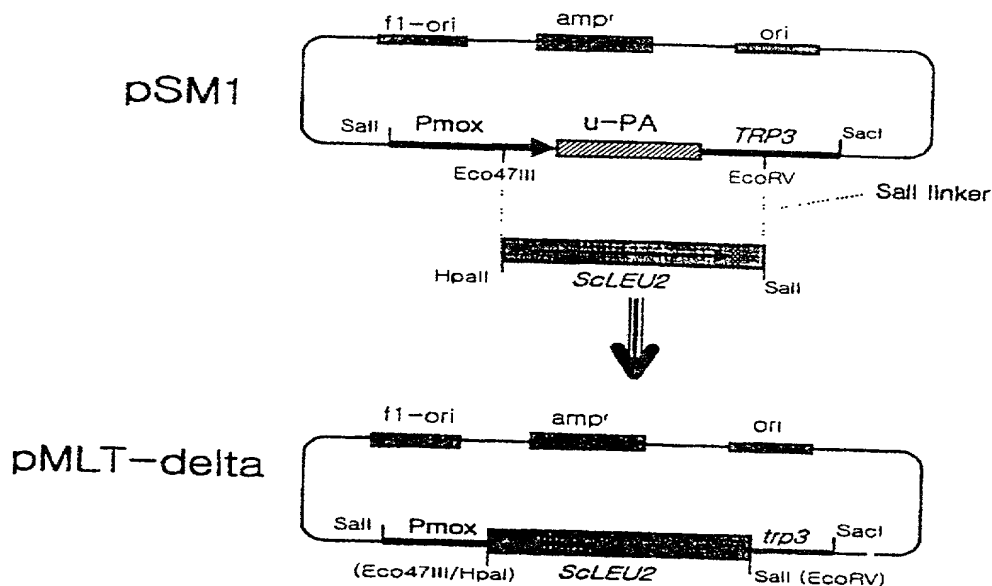
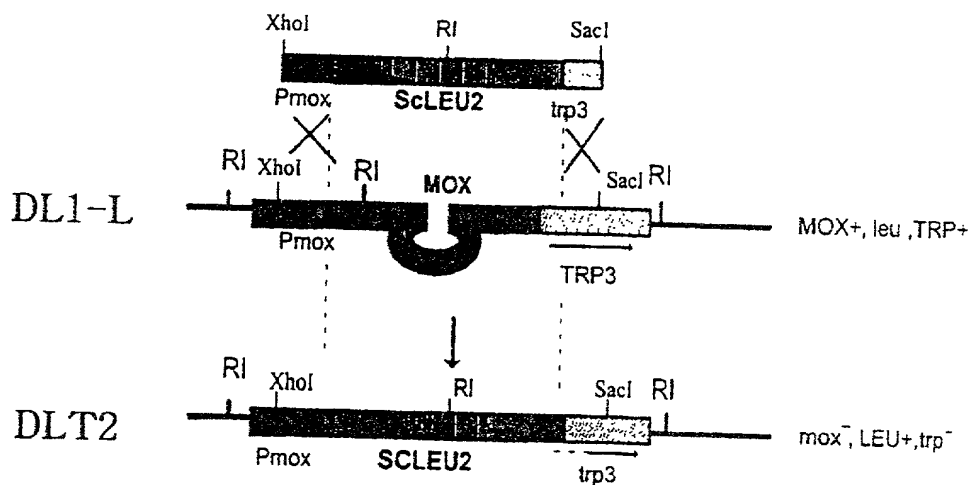


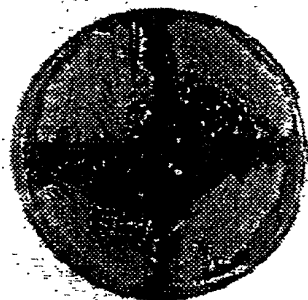
FIG. 11



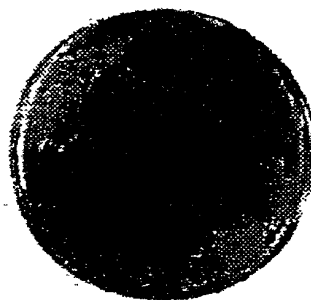
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**FIG. 12**

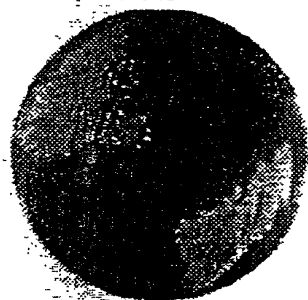
A. 2% Glucose + 0.67% YNB  
+ LEU + TRP



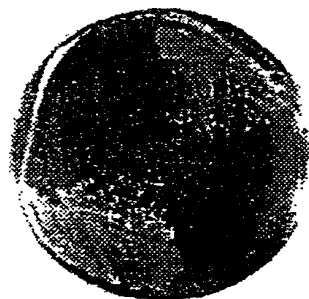
B. 0.5% Methanol + 0.67% YNB  
+ LEU + TRP



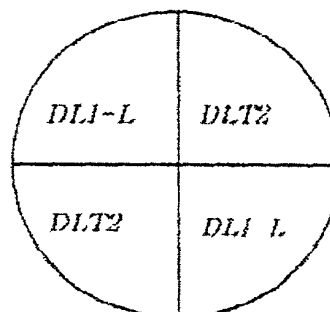
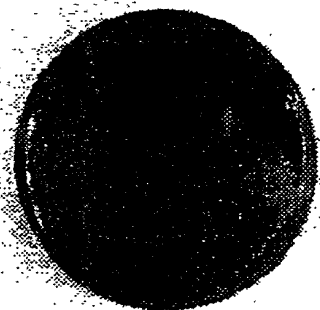
C. 2% Glucose + 0.67% YNB  
+ LEU



D. 2% Glucose + 0.67% YNB  
+ TRP



E. 2% Glucose + 2% Peptone  
+ 1% Yeast extract



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FIG. 13a

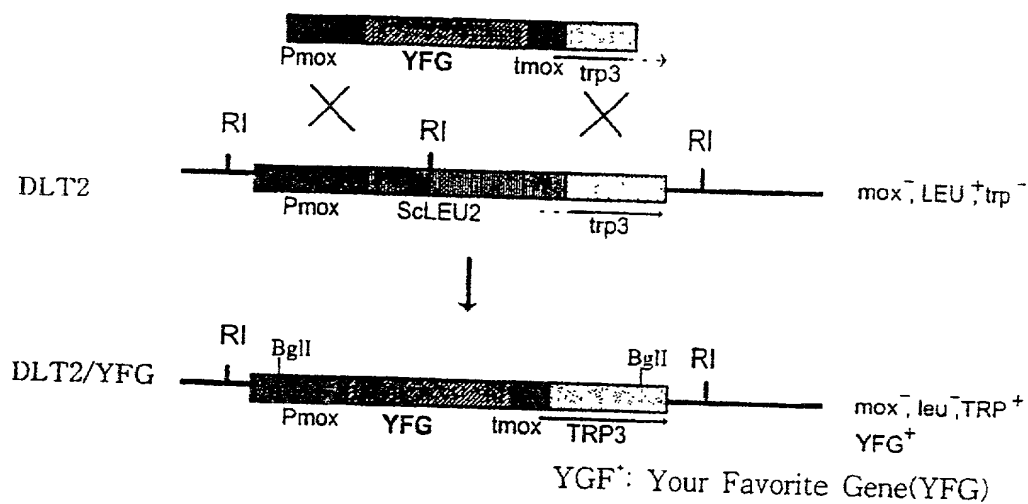
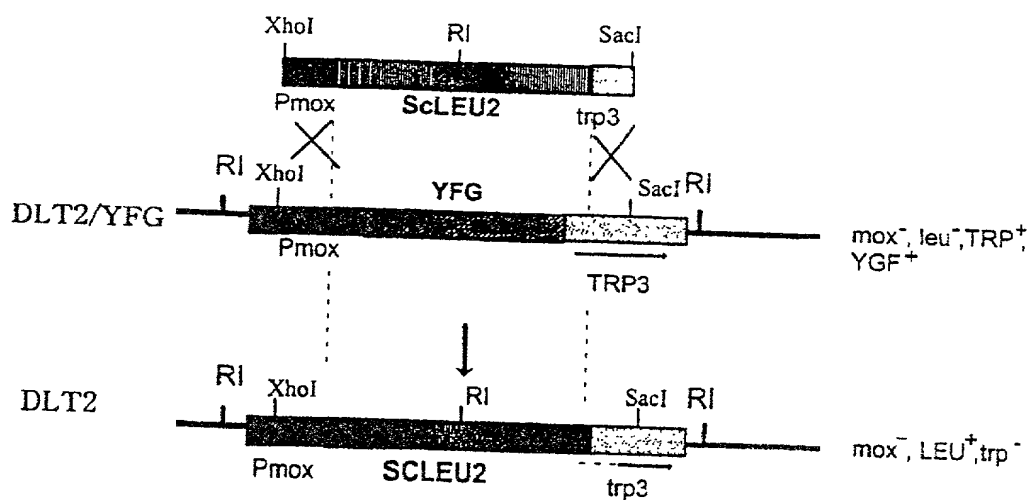
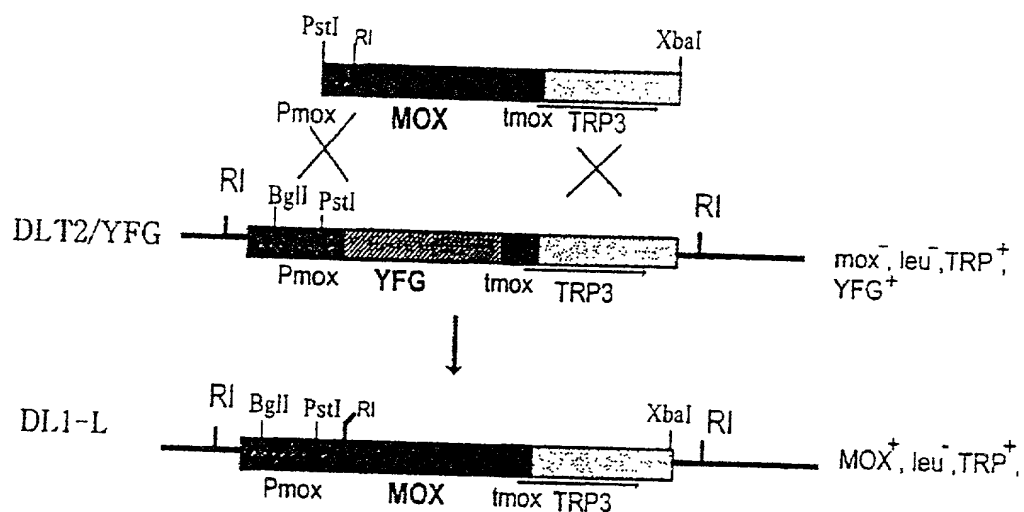
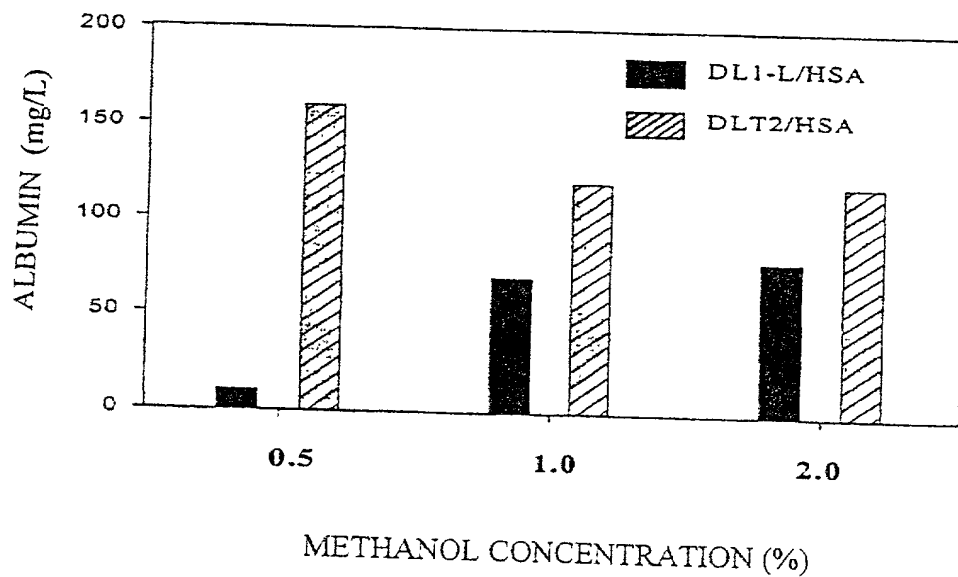


FIG. 13b



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**FIG. 13c****FIG. 14**

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## FIG. 15

